

BUTTERFLIES OF YAMHILL COUNTY, OREGON

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Yamhill County is in the northwestern portion of the State of Oregon, just south and west of Portland. It has proved a very fair collecting area for rhopalocera and I thought a list of the captures over a recent period would be of interest. Some ninety names are herein recorded, including two newer names from recent descriptions.

I wish to thank Mr. Robert Rieder and Mr. Ralph Macy, two local collectors, for their help. Without their notes this list would be very incomplete.

I have adopted Mr. J. D. Gunder's style of cataloguing from his "List of Butterflies of Los Angeles County, Calif." (Bulletin So. Calif. Acad. Sci., XXIX, August, 1930), and believe his use of classification categories, including the use of transition form in place of the word aberration, to be very satisfactory. His list quotes original description references, illustration notices and food plant data, so this information would, I believe, be superfluous if repeated here.

As this list probably is incomplete, I will record new captures as they occur, making note of them in future issues of the PAN-PACIFIC ENTOMOLOGIST.

1. *PAPILIO BAIRDII OREGONIA* Edw., a race (or form?). 1 ♂, no date, Carlton. Only specimen thus far reported from this county.

2. *PAPILIO ZELICAON* Luc., a species. 1 ♂, 1 ♀, May 18, 1930, Baker Creek Canyon; 1 ♂, April 27, 1928, McMinnville 1 ♀, May 6, 1928, McMinnville. Well distributed, but seemingly uncommon.

3. *PAPILIO INDRA* Reak., a species. Although this is an *indra* territory, I cannot report its capture from this county, but undoubtedly it is here, as it has been seen.

4. *PAPILIO RUTULUS* Luc., a species. 5 ♂, 3 ♀, April 16, 1928, Baker Creek Canyon; 1 ♂, 1 ♀, May 23, 1928, Muddy Valley; 9 ♂, 3 ♀, July 24, 1930. Common everywhere in the county and an easy capture.

5. *PAPILIO EURYMEDON* Luc., a species. 10 ♂, 3 ♀, June 16, 1930, Baker Creek Valley; 3 ♂, May 9, 1930, Muddy Valley; 9 ♂, 1 ♀, June 6, 1929, Baker Creek Valley. A common *Papilio*, taken at all elevations.

6. *PAPILIO EURYMEDON ALBANUS* F. & F., a form. 1 ♂, June 6, 1928, mountains above Baker Creek. A seemingly rare form of this species.

7. *PARNASSIUS CLODIUS CLAUDIANUS* Stich., a race. 50 ♂, 10 ♀, June 25, 1930, and 20 ♂, 7 ♀, June 30, 1930, Baker Creek Canyon. Very common in this particular canyon where on favorable days it fairly seems to swarm.

8. *PARNASSIUS CLODIUS BALDUR* Edw., a form? 2 ♂, 3 ♀, August 8, 1928, 1 ♂, July 12, 1930, and 1 ♂, July 16, 1930, Baker Creek Canyon. Not very plentiful.

9. *NEOPHASIA MENAPIA* F. & F., a species. 1 ♂, 1 ♀, July 27, 1930, 12 ♂, 2 ♀, August 6, 1930, 7 ♂, 4 ♀, August 12, 1929, Baker Creek Canyon; 1 ♂, July 27, 1929, Pea Vine Ridge, Females difficult to capture, as they fly high.

10. *ASCIA PROTODICE* Bdv. & Lec., a species. 1 ♀, August 23, 1930, McMinnville; 1 ♀, unknown date, Bellview. Probably a visitor from eastern Oregon.

11. *ASCIA PROTODICE VERNALIS* Edw. 1 ♀, August 27, 1930, Bellview. Also a stray.

12. *ASCIA NAPI OLERACEA* Harr., a form? This butterfly is seen on the western boundary of the county.

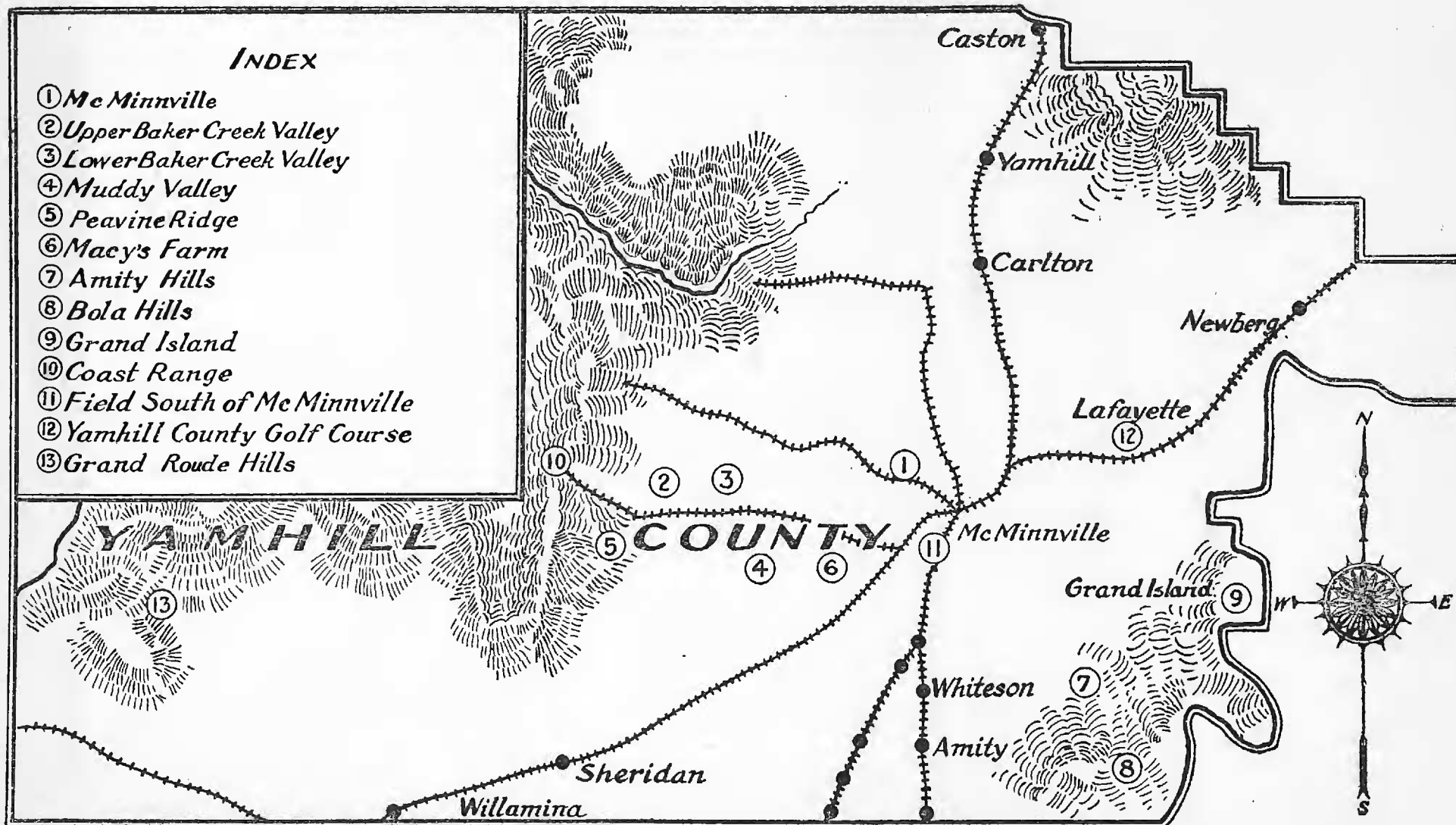
13. *ASCIA NAPI CASTORIA* Reak., a seasonal form? 1 ♀, August 27, 1930, Bellview. Seldom taken in this county.

14. *ASCIA NAPI MARGINALIS* Scud., a seasonal form? 3 ♂, April 20, and 20 ♂ ♀s, May 3, 1930, Baker Creek Canyon. Rather common at proper time.

15. *ASCIA NAPI PALLIDA* Scud., a seasonal form? 3 ♂, 2 ♀, June 18, 1928, 5 ♂, June 30, 1929, 2 ♂, 1 ♀, June 6, 1930, Baker Creek Canyon. A fragile butterfly hard to secure in good condition. Females seem to be scarce.

16. *ASCIA RAPÆ* L., a species. 12 ♂, 9 ♀, May 12, 1927. McMinnville. Common everywhere as usual.

17. *ASCIA RAPÆ YREKA* Reak., a form. 2 ♂, 1 ♀, July 29, 1930, McMinnville. A darker form of the species, especially dark on the under side.



- INDEX**
- ① *Mc Minnville*
 - ② *Upper Baker Creek Valley*
 - ③ *Lower Baker Creek Valley*
 - ④ *Muddy Valley*
 - ⑤ *Peavine Ridge*
 - ⑥ *Macy's Farm*
 - ⑦ *Amity Hills*
 - ⑧ *Bola Hills*
 - ⑨ *Grand Island*
 - ⑩ *Coast Range*
 - ⑪ *Field South of Mc Minnville*
 - ⑫ *Yamhill County Golf Course*
 - ⑬ *Grand Roude Hills*

MAP of COLLECTING GROUNDS in YAMHILL COUNTY, OREGON.-Fender

18. ANTHOCHARIS SARA REAKIRTI Edw., a race. 12 ♂, April 10, 1929, 6 ♂, May 16, 1930, Baker Creek Canyon. A common butterfly. White females not seen.

19. ANTHOCHARIS SARA REAKIRTI STELLA Edw., a female form. 3 ♀, April 16, 1927, Baker Creek Canyon; 5 ♀, April 29, 1929, hills north of Bellview; 4 ♀, May 13, 1930, Baker Creek Canyon. Certainly a female form of the species in this locality.

20. ANTHOCHARIS SARA JULIA Edw., a race here? 1 ♂, May 16, 1930, Baker Creek Canyon; 1 ♂, May 27, 1930, Pea Vine Ridge. Identification uncertain but probable.

21. EURYMUS EURYTHEME Bdv., a species. 1 ♀, October 12, 1929, McMinnville. Not common.

22. EURYMUS EURYTHEME AUTUMNALIS Ckll., a seasonal form (?). 1 ♂, May, 1927, Bellview; 1 ♀, October 19, 1928, McMinnville. Divergent emergence may account for the above records.

23. EURYMUS EURYTHEME AMPHIDUSA Bdv., may be a species here. 2 ♂, 5 ♀, August 6, 1927, south of McMinnville; 1 ♂, 1 ♀, September 6, 1927, golf course near McMinnville; 5 ♂, 2 ♀, September 6, 1929, near McMinnville. What I take to be this butterfly is quite common in the county.

24. EURYMUS EURYTHEME AMPHIDUSA ALBA Stkr., a female form. 2 ♀, August 16, 1928, Muddy Valley; 1 ♀, October 12, 1930, McMinnville. White females occur continually.

25. EURYMUS OCCIDENTALIS CHRYSOMELAS SHASTÆ B. and Benj., a female form. 1 ♀, date unknown, Bellview. The white female of *chrysomelas* and rare.

26. DANAEUS MENIPPE Hbn., a species. 2 ♂, June 6, 1927, McMinnville; 1 ♂, August 7, 1930, Baker Creek Valley. Quite scarce in this county because of absence of the food plant, which is milkweed.

27. CÆNONYMPHA CALIFORNIA ERYNGII Hy. Edw., a race. 1 ♂, July 7, 1928, and 1 ♂, July 23, 1930, McMinnville. Has more yellow on than the species.

28. CÆNONYMPHA AMPELOS Edw., a species. 100 ♂ ♀, 1927, 25 ♂ ♀, July 19, 1929, McMinnville. A very common butterfly.

29. *CERCYONIS ARIANE* Bdv., a species. 40 ♂ ♀, June 12, 1930; 20 ♂, 60 ♀, June 19, 1930, Pratt's Farm. The only Satyr in the county thus far.

30. *ARGYNNIS LETO* Behr, a species. 3 ♂, 2 ♀, July 9, 1929, 10 ♂, July 12, 1930, 25 ♂, 1 ♀, July 15, 1930, Baker Creek Valley. Most plentiful *Argynnis* in this section; but females are difficult to secure.

31. *ARGYNNIS BREMNERII* Edw., a species. 6 ♂ ♀, July 14, 1929, 12 ♂ ♀, July 12, 1930, Baker Creek Valley. Common in locality noted.

32. *ARGYNNIS HYDASPE RHODOPE* Edw., a race. 2 ♂, 1 ♀, July 12, 1930, 1 ♂, July 16, 1930, Baker Creek Valley. Not plentiful.

33. *ARGYNNIS CLIO* Edw. (?) 1 ♂, June 9, 1928, Muddy Valley. I hesitate to try to identify this specimen until Mr. Gunder's revision of the genus appears.

34. *BRENTHIS EPITHORE* Edw., a species. 25 ♂, 7 ♀, May 17, 1930, 16 ♂, 3 ♀, June 4, 1930, Baker Creek Valley. Common from May till late July.

35. *EUPHYDRYAS CHALCEDONA* D. and H., a species. 2 ♂, May 26, 1930, Baker Creek Valley; 1 ♀, May 23, 1928, Lower Baker Creek. Seldom found in this district.

36. *EUPHYDRYAS CHALCEDONA COLON* Edw. (?), a race. 1 ♂, May 30, 1929, Baker Creek Valley; 2 ♂, June 4, 1930, Lower Baker Creek Valley. More local exploration is needed to determine these specimens with certainty.

37. *PHYCIODES CAMPESTRIS* Behr., a species. 5 ♂, 3 ♀, May 16, 1928, Muddy Valley; 3 ♂, August 6, 1930, Baker Creek Valley. Common in May and June.

38. *PHYCIODES MYLITTA* Edw., a species. 12 ♂, May 8, 1930, Baker Creek Valley; 1 ♂, 1 ♀, July 16, 1930, McMinnville. Plentiful throughout the county.

39. *PHYCIODES MYLITTA MACYI* Fender., a transition form. 1 ♂, September 6, 1929, Pea Vine Ridge. (Ent. News, June, 1930). Albifusism.

40. *PHYCIODES MYLITTA COLLINSI* Gund., a transition form. 1 ♂, July 4, 1929, McMinnville. Immaculism.

41. *POLYGONIA SATYRUS* Edw., a species. 7 ♂ ♀, April 25, 1928, 15 ♂ ♀, May 9, 1929, McMinnville; 6 ♂, 1 ♀, July 16,

1930, Baker Creek Valley. Common enough in the valleys at the forest edge.

42. *POLYGONIA SATYRUS CHRYSOPTERA* Wrgt., a form. 1 ♂, 2 ♀, undated, McMinnville. A lightly colored form of this species.

43. *POLYGONIA SATYRUS MARSYAS* Edw., a race (?). 2 ♂, April 25, 1928, 2 ♂, 1 ♀, April 27, 1928, McMinnville. A scarce Satyr.

44. *POLYGONIA FAUNUS RUSTICUS* Edw., a race. 15 ♂ ♀, April 12, 1930, 5 ♂ ♀, May 4, 1930, Baker Creek Valley. Many can be captured in the valleys of the foothills.

45. *POLYGONIA OREAS* Edw., a species. 1 ♂, April 27, 1930, Baker Creek Valley. This is the only record thus far.

46. *POLYGONIA OREAS SILENUS* Edw., a race. 3 ♂, 1 ♀, May 20, 1928, 2 ♂, May 29, 1929, Muddy Valley; 1 ♂, 2 ♀, April 12, 1930, Baker Creek Valley. Considered a rare butterfly and a high flier.

47. *AGLAIS CALIFORNICA* Bdv., a species. 1 ♂, May 16, 1929, Baker Creek Valley; also 1 ♂ taken near McMinnville. Strangely rare in this collecting area.

48. *AGLAIS MILBERTI* Godt., a species. 1 ♂, June 7, 1928, McMinnville. Rare here.

49. *AGLAIS MILBERTI SUBPALLIDA* Ckll., a form. 1 ♂, July 12, 1929, Yamhill County golf course; 2 ♂, June 16, 1930, Baker Creek Valley. This form is evidently commoner than the species itself. Much intergradation.

50. *AGLAIS ANTIOPA* L., a species. 4 ♂, 1 ♀, April 8, 1930, 1 ♂, July 16, 1929, Baker Creek Valley. This species seems to be with us the year round.

51. *CYNTHIA ATALANTA* L., a species. 2 ♂, May 12, 1928, 3 ♂ (bred), June 14, 1929, McMinnville. Found most everywhere.

52. *CYNTHIA VIRGINIENSIS* Dru., a species. 1 ♂, May 24, 1929, McMinnville. Not at all common here.

53. *CYNTHIA CARDUI* L., a species. 1 ♂, May 16, 1928, 1 ♂, May 24, 1930, Muddy Valley. Scarcely ever taken in the county, but may be plentiful at times.

54. *CYNTHIA CARYE* Hbn., a species. 4 ♂ ♀, April 25, 1928, 6 ♂ ♀, April 27, 1928, McMinnville. Common in comparison

to *cardui*. This species likes to play along the edges of the woods with the *Grapta* species.

55. *CYNTHIA CARYE MUELLERI* Letch., a transition form. 1 ♂, July 23, 1930, Macy's Farm. This specimen was picked off the front of an auto.

56. *BASILARCHIA WEIDEMEYERII* Edw., a species. 1 ♂, undated, foothills south of McMinnville. Probably a visitor in this region.

57. *BASILARCHIA LORQUINI* Bdv., a species. 5 ♂, July 24, 1930, Baker Creek Valley; 2 ♂, 1 ♀, May 9, 1928, Muddy Valley. Our commonest Admiral.

58. *BASILARCHIA LORQUINI EAVESII* Edw., a form. 1 ♀, August 6, 1930, McMinnville. A form in which a row of spots appear on the upper side of secondaries.

59. *BASILARCHIA LORQUINI BURRISONI* Mayn., a race (?). 10 ♂, 3 ♀, May 24, 1930, Baker Creek Valley. There is evidently a local colony of this up Baker Creek.

60. *HETEROCHROA BREDOWII CALIFORNICA* Butl., a race. 1 ♂, July 29, 1928, McMinnville; 2 ♂, 1 ♀, August 6, 1930, Baker Creek Valley. Quite rarely found.

61. *ATLIDES HALESUS* Cram., a species. 1 ♂, 1 ♀, undated, Macy's Farm near McMinnville. Considered a very lucky catch in this region.

62. *STRYMON MELINUS* Hbn., a species. In local collections, evidently from this district.

63. *STRYMON SYLVINUS* Bdv., a species. 9 ♂ ♀, May 18, 1930, 6 ♂ ♀, June 14, 1929, Baker Creek Valley. Taken often in foothills and higher levels.

64. *INCISALIA IROIDES* Bdv., a species. 1 ♂, July 12, 1930, 1 ♀, July 16, 1930, Baker Creek Valley. Last year I was glad to find this butterfly for the first time.

65. *INCISALIA ERYPHON* Bdy., a species. 1 ♂, July 26, 1930, Baker Creek Canyon. Probably more records of this species will be available later.

66. *CALLOPHRYS DUMETORUM* Bdv., a species. 2 ♂, June 8, 1930, 1 ♂, June 27, 1930, Valley of Baker Creek. Probably common enough if searched for.

67. *THARSALEA VIRGINIENSIS* Edw., a species. 3 ♂, 2 ♀, June 18, and 2 ♂, 1 ♀, June 27, 1929, Lower Baker Creek

Valley. A small local habitat of this species has thus far been the only colony found in this region.

68. *LYCÆNA XANTHOIDES* Bdv., a species. 1 ♂, 1 ♀, June 18, 1928, 1 ♂, June 27, 1928, Macy's Farm near McMinnville. The northern limit of this species evidently just reaches this county.

69. *LYCÆNA HELLOIDES* Bdv., a species. 3 ♂, 3 ♀, June 8, 1928, 7 ♂, 3 ♀, June 21, 1929, McMinnville; 2 ♂, 4 ♀, July 12, 1930, Baker Creek Canyon. This pretty little copper is our commonest butterfly in the genus.

70. *EVERES AMYNTULA* Bdv., a species. 4 ♂, 2 ♀, April 8, 1929, 2 ♂, 2 ♀, May 18, 1930, Baker Creek Valley and Canyon. Fairly plentiful.

71. *PLEBEIUS MELISSA* Edw., a species. 1 ♂, June 7, 1930, fields south of McMinnville. Probably only a chance record, though there may be a numerous colony.

72. *PLEBEIUS MARICOPA FENDERI* Macy, a race. 1 ♂, 2 ♀, May 25, 1929, taken on an isolated patch of lupine just west of Macy's Farm. (Ent. News, January, 1931).

73. *PLEBEIUS ACMON* D. and H., a species. 6 ♂, 2 ♀, May 18, 1929, Redmond's rock crusher; 10 ♂, 6 ♀, June 11, 1927, Grand Island. Common enough most everywhere.

74. *PLEBEIUS ACMON COTTLEI* Grin., a seasonal form. 1 ♂, 1 ♀, April 12, 1928, at same locality as species. Has darker underside. Is an interesting catch.

75. *PHILOTES BATTOIDES OREGONENSIS* B. and McD., a race. 1 ♂, July 27, 1927, Muddy Valley. Only record thus far.

76. *GLAUCOPSYCHE XERCES POLYPHEMUS* Bdv., a race (?). 4 ♂, 3 ♀, May 16, 1930, 2 ♂, 1 ♀, June 7, 1930, Baker Creek Valley. The synonymy of Barnes and Benjamin check list is difficult to understand in this group.

77. *GLAUCOPSYCHE XERCES ANTIACIS* Bdv., a form or race (?). 1 ♂, 2 ♀, May 19, 1928, McMinnville. As in No. 76, this group is difficult to identify.

78. *LYCÆNOPSIS PSEUDARGIOLUS* B. and L. (form or race of, ?). 12 ♂, 5 ♀, May 27, 1930, Baker Creek Valley. Quite common.

79. *LYCÆNOPSIS PSEUDARGIOLUS NEGLECTA* Edw., a seasonal form. 1 ♂, June 26, 1930, Baker Creek Valley. Scarcer than the species.

80. *EPARGYREUS TITYRUS* Fabr., a species. 3 ♂, July 12, 1927, Baker Creek Valley; 10 ♂, 8 ♀, July 24, 1930, Baker Creek Valley. Many to be taken in the foothills.

81. *PYRGUS RURALIS* Bdv., a species. 2 ♂, 2 ♀, July 7, 1927, 1 ♂, 3 ♀, July 12, 1929, Baker Creek Valley. This one locality is the only spot thus far found here for this butterfly.

82. *PYRGUS TESSELLATA OCCIDENTALIS* Skin., a race. 1 ♂, 1 ♀, July 18, 1928, McMinnville; 1 ♂, June 11, 1927, Grand Island. Not numerous, but probably taken throughout this county.

83. *PYRGUS SCRIPTURA* Bdv., a species. 1 ♂, July 16, 1928, Baker Creek Valley. Rare here as it evidently is most everywhere.

84. *ERYNNIS PERSIUS AFRANIUS* Lint. (?), a race. 2 ♂, June 8, 1929, Muddy Valley; 2 ♂, 1 ♀, July 24, 1930, Baker Creek Valley. A relatively common skipper.

85. *ERYNNIS PROPERTIUS* S. and B., a species. 6 ♂, 3 ♀, May 12, 1926, Muddy Valley; 3 ♂, 3 ♀, May 4, 1928, Baker Creek Valley; 6 ♂, 4 ♀, May 28, 1929, Eola Hills. A very plentiful hill skipper.

86. *PAMPHILIDA PALÆMON* Pall., a species. 2 ♂, July 19, 1930, Baker Creek Valley. Uncommon skipper here as it is elsewhere in the West.

87. *POLITES SONORA* Scud., a species. 1 ♂, July 12, 1929, McMinnville. A scarce capture in these parts.

88. *POLITES MARDON* Edw., a species. 1 ♂, June 28, 1929, McMinnville; 1 ♀, June 10, 1930, Baker Creek Canyon. A rare butterfly.

89. *POLITES SABULETI* Bdv., a species. 20 ♂, 9 ♀, August 6, 1929; 45 ♂ ♀, August 21, 1930, McMinnville. This skipper swarms in quantity in the valleys during August.

90. *ATRYTONE VESTRIS* Bdv., a species. 3 ♂, July 13, 1928, 2 ♂, 1 ♀, July 24, 1929, Baker Creek Valley. Quite common in collections.